### **JUTILITY PATENT APPLICATION TRANSMITTAL** (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submiss

#### TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Pat nt Application Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C.	111(a) and 37 C.F.R.	1.53(b) is a new utility patent	application for an
invention entitled:			

	mitte			r fili	ing under 35	U.S	.C. 111(a) and 3	37 C.F.R. 1.53	(b) is a new utility patent application for an	
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If a C	ONT	INUA	TION A	\PP	LICATION,	chec	ck appropriate be	ox and supply	the requisite information:	
	Conti				Divisional			, , ,	of prior application No.:	
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	Conti	inuat	ion [	]	Divisional		Continuation-	in-part (CIP)	of prior application No.:	
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	Conti	inuat	ion [	] !	Divisional		Continuation-	in-part (CIP)	of prior application No.:	
Enclo	osėd a	are:								
							Application	n Elements		
1.	$\boxtimes$	Filin	g fee as	s ca	lculated and	l tran	smitted as desc	ribed below		
2.	X	Spe	cificatio	n h	aving		137	_ pages and ir	ncluding the following:	
	a.	$\boxtimes$	Descriptive Title of the Invention							
	b.	$\boxtimes$	Cross References to Related Applications (if applicable)							
	C.		Statement Regarding Federally-sponsored Research/Development (if applicable)							
	d.		Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix							
	e.	$\boxtimes$	Background of the Invention							
	f.	$\boxtimes$	Brief Summary of the Invention							
	g.	$\boxtimes$	Brief Description of the Drawings (if filed)							
	h.	$\boxtimes$	Detailed Description							
	i.	×			s Classified	Belo	w			
	j.	$\boxtimes$		-	f the Disclos					

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Docket No. A-9837E

Total Pages in this Submission

3.	X	Drawing(s) (when necessary as prescribed by 35 USC 113)									
	a.	☐ Formal Number of Sheets									
	b.	☐ Informal Number of Sheets 16 (Figs. 1-33)									
4.		Oath or Declaration									
	a.	□ Newly executed (original or copy) □ Unexecuted									
	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)									
	C.	☐ With Power of Attorney ☐ Without Power of Attorney									
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).									
5.		Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.									
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)									
7.		Application Data Sheet (See 37 CFR 1.76)									
8.		☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)									
	a.	a.   Computer Readable Form (CRF)									
	b.	b.   Specification Sequence Listing on:									
		i. CD-ROM or CD-R (2 copies); or									
		ii. 🔲 Paper									
	C.	c.   Statement(s) Verifying Identical Paper and Computer Readable Copy									
Accompanying Application Parts											
9.		Assignment Papers (cover sheet & document(s))									
10.		37 CFR 3.73(B) Statement (when there is an assignee)									
11.		English Translation Document (if applicable)									
12.		Information Disclosure Statement/PTO-1449   Copies of IDS Citations									
13.		Preliminary Amendment									
14.	$\boxtimes$	Return Receipt Postcard (MPEP 503) (Should be specifically itemized) *									
15.	X	Certified Copy of Priority Document(s) (if foreign priority is claimed)									
16.		Certificate of Mailing									
n Agn	d.	☐ First Class ☐ Express Mail (Specify Label No.):									

**Application Elements (Continued)** 

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

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Docket No. A-9837E

Total Pages in this Submission

	Accompanying Application Parts (Continued)						
17.		Additional Enclosures (please identify below):					
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)					
18.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.					
	-	Warning					
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.					
19.		ASSIGNEE INFORMATION					
		Assignee: BTG International Limited					
		$\cdot$					

## UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

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Docket No. A-9837E

Total Pages in this Submission

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#### **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee \$2,106.00 **Total Claims** \$18.00 137 - 20 = 117 Indep. Claims 41 - 3 = 38 \$84.00 \$3,192.00 Multiple Dependent Claims (check if applicable) \$0.00 **BASIC FEE** \$750.00 \$0.00 OTHER FEE (specify purpose) **TOTAL FILING FEE** \$6,048.00 A check in the amount of \$6,048.00 to cover the filing fee is enclosed. ☐ The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-1165 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: July 7, 2003

Mitchell W. Shapiro, Reg. No. 31,568

Signature

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Suite 500

McLean, Virginia 22102

(703) 610-8652

cc: /lmb